Deciphering the pneumococcal cell cycle

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STELLINGEN

behorende bij het proefschrift

Deciphering the pneumococcal cell cycle

Identification and characterization of new genes involved in growth and replication

1. It seems difficult to look away from well-known essential path(way)s and to start instead from broad research, but the effort can be rewarded with the discovery of new crucial unknown systems. (**Chapter 2**, this thesis)

2. The bacterial cell cycle is tightly organized in time and space, and it is therefore expected that specific regulators exist to maintain this elegant synchronized rhythm. (**Chapter 2 and 3**, this thesis)

3. The observation that cell division triggers DNA replication initiation does not necessarily imply that division comes before initiation. The chicken or the egg. (**Chapter 3**, this thesis)

4. The strength of a building lies in its foundation. Although the cell wall is anchored to the membrane, lipids homeostasis is often undeservedly neglected when studying cell shape. (**Chapter 4**, this thesis)

5. Microscopy allows us to look into bacteria's privacy, without their knowledge.

6. Study of non-model organisms is more and more relevant; therefore, referring to a subset of model species as "bacteria" should be used with reservation.

7. When a path becomes tedious and uncertain, it is never too late to turn back and try a new route in order to not get lost.

8. *La musique exprime ce qui ne peut être dit et sur quoi il est impossible de rester silencieux.* (Music expresses what cannot be said and what cannot remain silent) [Victor Hugo]. And music is an important factor inside a laboratory.

9. Interactions with international scientific communities offer wisdom that goes beyond science.